



JOB OPPORTUNITY BULLETIN

CLASSIFICATION: ELECTRIC GENERATION SYSTEM SPECIALIST I
(Training and Development assignments may be considered)

TENURE: PERMANENT

TIME BASE: FULL TIME

SALARY: \$7,376 - \$9,125

LOCATION: Energy Generation Research Office
Energy Research and Development Division
Downtown Sacramento, CA

FINAL FILING DATE: July 1, 2019

Under the general supervision of the Energy Resources Specialist III (Supervisory) and the technical lead in the Transportation Program Area in the Energy Generation Research Office, the incumbent serves as part of an interdisciplinary and/or interdivisional team to plan and implement public interest energy research, development and demonstration (RD&D) associated with electric vehicle development and integration with electricity grid and other transportation-related research. Perform time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; to manage complex RD&D projects; and to consult with experts in the field. Address the research issues affecting the design, operation, integration and market deployment of plug-in electric vehicle technologies; assess the ability of advanced electric vehicle technologies and grid integration enabling technologies to be developed and deployed to help meet the state's zero-emission vehicles (ZEV) and greenhouse gas reduction goals; identify methods, models, and techniques to evaluate electricity system impacts of vehicle-grid integration; analyze, evaluate, design and implement alternative transportation technologies; evaluate the economic consequences and impacts to electric utilities and California ratepayers; make recommendations to the Commission for the creation and adoption of Commission policy regarding such technologies and impacts on the transportation and electricity sectors.

DUTIES AND RESPONSIBILITIES:

Technology Assessment. Leads the research and development of alternative zero-emission vehicle technologies, vehicle-grid integration strategies, and other transportation technologies; develops engineering and economic studies of alternative electric vehicle technologies; analyzes advanced electric load reducing options and the economic consequences of these options and impacts to the transportation sector, electric utilities, the California Independent System Operator (CAISO) and California ratepayers; uses complex system models to evaluate and assess the performance, reliability, capability and achievable energy and cost savings and emissions reduction resulting from advanced transportation technologies; develops and analyzes impacts of vehicle grid integration, their relationships to residential, commercial, and industrial infrastructure, and their impacts on California's electricity grid; identifies research needs and gaps for plug-in electric vehicles and other alternatives in the transportation sector; analyzes and prepares research initiatives, plans and budgets to identify public interest energy research needs, benefits and impacts to the transportation sector, CAISO, ratepayers, utilities and others. (E)

View full duty statement at <https://www.energy.ca.gov/careers/jobs.php>

- **Project Management.** Manage complex research projects involving electricity and peak load reduction technologies such as plug-in electric vehicles. Responsible for all phases of project management, such as: a) prepare work statements, budgets, schedules, and contract amendments; b) identify measurable technical and economic objectives to determine project success; c) maintain technical and business relationships with the contractor; d) review monthly progress reports and prepare an evaluation of the project and brief management, as needed; e) inspect projects to ensure they meet technical, fiscal, and administrative objectives; f) review and approve/dispute contractor invoices; g) prepare all documents needed to closeout grants and contracts; and h) update Program Information Management System (PIMs) and other databases. (E)

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have

- Knowledge of state contracting procedures, and experience and ability to manage and direct complex contract activities to meet program goals and objectives
- Excellent analytical and report writing skills including proper grammar and punctuation rules, and the ability to reason logically and creatively while utilizing a variety of analytical techniques
- Excellent communication skills including the ability to follow instructions and communicate ideas and thoughts effectively with a large diverse technical staff
- Excellent interpersonal skills, including a proven ability to work in a team atmosphere under pressure effectively, as well as independently and at own initiative
- Knowledge of research methods and techniques and the ability to prepare research and statistical reports
- Ability to gather, compile, analyze, and interpret written and numerical research data
- Intermediate to Advanced skills with Microsoft Access, Microsoft Excel, and Microsoft Word computer programs
- Ability to make effective presentations and interact effectively with both internal and external parties

WHO MAY APPLY: Eligible candidates who are current state employees with status in the above classification, lateral transfers from an equivalent class who meet the minimum qualifications of this classification, former state employees who can reinstate into this class or persons who are reachable on a current employment list for this classification. Appointment is subject to the provisions of the State Restriction of Appointments (SROA) process: SROA/SURPLUS/REEMPLOYMENT candidates are encouraged to apply and must attach a copy of their status letter in order to be considered. Applications will be screened and the most qualified may be contacted for an interview. Will consider a Training and Development Assignment.

Interested applicants must submit a completed Standard State Application (Form STD. 678) with an original signature, to the contact/address listed below. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #320-349 and Position #3200-4841-006 in the "Explanation Section" of the STD. 678.** Electronic applications will be accepted.

Please Note: Possession of the minimum qualifications will be verified prior to the interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant's name may be removed from the eligibility list.

SUBMIT APPLICATIONS TO:

Personnel Services Office
Attn: RPA #320-349
1516 9th Street, MS-3
Sacramento, CA 95814
Phone: 916-654-4309

California Relay (Telephone) Service for
the Deaf or Hearing-Impaired
From hTDD Phones: 1-800-735-2929
From Voice Phones: 1-800-735-2922
personnelservices@energy.ca.gov